

MOTION DETECTION AND ANALYSIS

ABSTRACT OF THE DISCLOSURE

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In order to determine movements of two subjects, two or more signals of different phase are obtained which depend on the movement, and processed by locating constellation status of the signals in at least one co-
10 ordinate axis system, it must have at least six separate segments rotationally displaced. Where there are two or more co-ordinate axis systems, each must have an axis radiating from an origin. The change in the constellation states is monitored using at least
15 two processed data samples obtained by sampling the signals at a suitable clock rate. It is possible to derive a prediction of values of the signal and filter the signals in dependence on the prediction. The second co-ordinate axis system may be rotatable
20 relative to the first co-ordinate axis system enabling the provision of a movable region of uncertainty.